217TH Electronics Installation Sq.

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TECHNICAL MANUAL

ILLUSTRATED PARTS BREAKDOWN

RADIO FREQUENCY BRIDGE

TYPE 916-AL

(GENERAL RADIO)

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SECTION I

INTRODUCTION

1-1. GENERAL

1-2. This Illustrated Parts Breakdown, lists and describes the parts for the Radio Frequency Bridge, Type 916AL, as manufactured by General Radio Company, West Concord, Massachusetts.

1-3. Group Assembly Parts List

1-4. The Group Assembly Parts List (Section II) consists of the complete equipment broken down into assemblies, subassemblies and detail parts, listed in the order of disassembly and indented to show the assembly relationship of detail parts to subassemblies and subassemblies to the next higher assembly, etc. An example of the indenture system used in the description column to show the assembly relationship is given below:

DESCRIPTION

1 2 3 4 5 6 7
. Assembly
. Attaching Parts for Assemblies
. . Subassemblies
. . Attaching Parts for Subassemblies
. . . Detail Parts of Subassemblies
. . . Attaching Parts for Detail Parts

1-5. Attaching parts are listed immediately after the item to be attached. They are listed directly beneath the item to be attached unless they are a part of the assembly, in which case they are indented to show the assembly relationship. Detail parts of an assembly are listed immediately after the attaching parts of said assembly and are indented to indicate that they are a part of the assembly. The symbol - - - * - - - is used to denote the listing of the last attaching part.

1-6. Part numbers are used exclusively to identity parts. Index Numbers are numerically arranged in the Group Assembly Parts List and are used mainly to assist in locating a part in the Group Assembly Parts Lists after it has been found in the Numerical Index.

1-7. Vendor part numbers can be identified by a five digit code (as designated in the Federal Supply Codes for Manufacturers Cataloging Handbook H-4-1) located in the description column following the description of the part.
Example: (Manufactured by 12345). (See paragraph 1-9 for an explanation of the Vendor's Code).

1-8. Commercial hardware that cannot be completely identified by a part number will be referenced "coml" in the part number column with identifying information in the description column. Items are referenced "No Number" when a part number to completely identify the item is not available. In such cases identifying information will appear in the description column. When items are listed for reference purposes, "REF" will appear in the Units Per Assy column. For bulk items and items for which quantities may vary "AR" will appear in the Units Per Assy column to indicate "As Required". The term "NHA" (next higher assembly) is used to denote a part not requisitioned but used in assembly shown.

1-9. Vendor's Codes are used to designate manufacturers of all items not carried under the prime contractor's part numbers. The code symbols used in this publication are listed below:

VENDOR'S CODE

CODE	VENDOR'S NAME AND ADDRESS
21192	Excelsior Hardware Co. Stamford, Conn.
64959	Western Electric Co., Inc. New York, N. Y.
71666	Continental Carbon Co., Inc. New York, N. Y.
72962	Elastic Stop Nut Corp. of America, Union, N. J.
78180	Seymour Products Co., Seymour, Conn.
78189	Shakeproof Div. of Illinois Tool Works Elgin, Ill.

1-10. The quantities listed in the "Units per Assy" column of the Group Assembly Parts List are, in the case of assemblies, the total quantity used per equipment at the location indicated, while the component parts indented under the assemblies are the quantity used per assembly. The quantities specified, therefore are not necessarily the total used per equipment. Refer to the numerical index (Section III) for the total quantities used per equipment.

1-11. The "Usable On Code" column is used to indicate differences between modifications or different models of the same equipment, or similar equipment, when such equipment is listed in the same Group Assy Parts List. Since only one equipment is listed in the Group Assy Parts List of this publication the "Usable on Code" column is left blank.

1-12. Numerical Index

1-13. The Numerical Index (Section III) is a composite listing in alpha-numerical order of all parts appearing in the Group Assembly Parts List. Only the first figure and index number that appears for Government Standard and Contractor Standard Parts is listed. All applicable figure and index numbers will appear for the remaining parts.

a. Part number numerical arrangement sequence starts in the extreme left hand position and continues from left to right one position at a time, until all part numbers are arranged in sequence.

b. The order of precedence in beginning the part number on the left hand (first) position of the part number is as follows:

Letters A through Z
(Alphabetical 0's are considered
as numberical zeros).
Numerals 0 through 9

c. The order of precedence in continuing the part number arrangement for the second and succeeding positions of the part number from left to right is as follows:

Spaces (Blank column)
Diagonal (Slant) /
Point (Period)
Dash -
Letters A through Z
(Alphabetical 0's considered
as numerical zeros).
Numerals 0 through 9

d. Spaces, diagonals, points and dashes are not used in the left hand (first) position of the part number. However, they are used in the second and succeeding positions of the part number and take precedence over letters and numerals as indicated above.

NOTE

Commercial hardware and other parts to which no part number has been assigned appear in the part number column in sequence using the identifying noun as the part number.

1-14. REFERENCE DESIGNATION INDEX

1-15. The Reference Designation Index (Section IV) lists all parts to which reference designation symbols have been assigned. The reference designations are arranged in alpha-numerical order. Each listing gives the figure and index number which located the item in the Group Assembly Parts List and the illustration, and also lists the Class Code or Stock Number, and the part number.

1-16. For parts requisitioning purposes, the item Federal Stock Number is given in the Numerical Index (Section III) and the Reference Designation Index (Section IV). The first four digits of the Federal Stock Number constitutes the item Class Code. When no Federal Stock Number appears reference should be made to the S-00-1 Master Cross-Reference Index.

1-17. HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN

1-18. When the part number, or reference symbol is known, and it is desired to find the illustration and description of the part proceed as follows:

a. Find the part number in the Numerical Index (Section III), or the reference symbol in the Reference Designation Index (Section IV).

b. Note the corresponding figure and index number.

c. Turn to the Group Assembly Parts List (Section II) and consult the figure and index number as obtained in step b.

1-19. When the physical location of the part is known, and it is desired to find the part number, proceed as follows:

a. Refer to the figure in Section II. Locate the part and note the index number identifying it.

b. Turn to the Group Assembly Parts List (Section II) by referring to the index number obtained in step a. The part number will then be found in the part number column.

SECTION II

GROUP ASSEMBLY PARTS LIST

FIG. & INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
1-	916-AL	RADIO FREQUENCY BRIDGE	1	
-1	916-306-2	. PANEL ASSY (See figure 2 for breakdown).....	1	
		ATTACHING PARTS		
-2	SCU95B	. SCREW, Panel	8	
		- - - * - - -		
-3	916-45-2	. CARRYING CASE ASSY (See figure 4 for breakdown)	1	

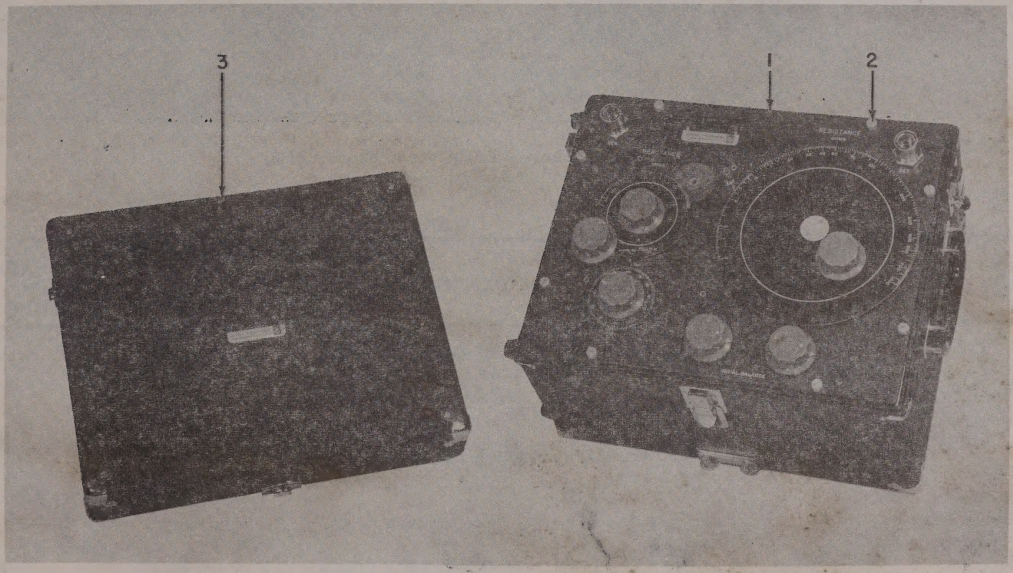

Figure 1. Radio Frequency Bridge, Type 916-AL

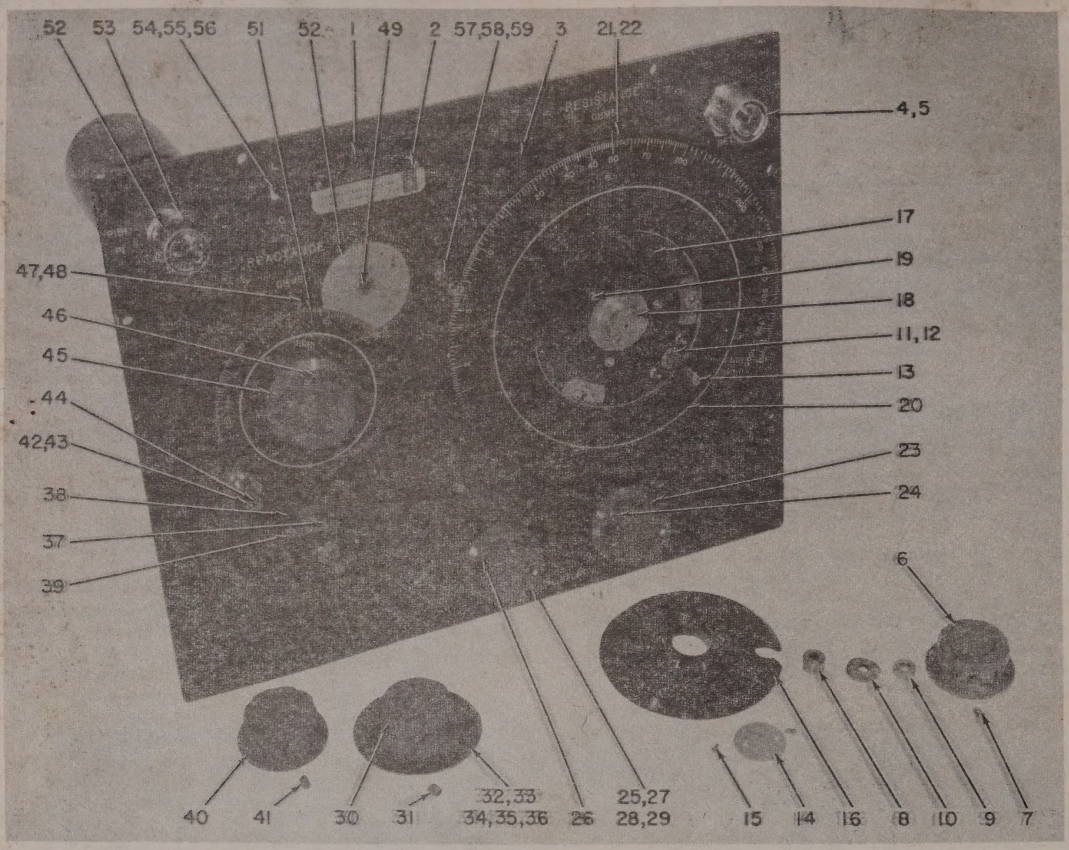

Figure 2. Panel Assembly - Front View (Sheet 1 of 3)

FIG. & INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USUABLE ON CODE
2-	916-306-2	PANEL ASSEMBLY (See figure 1 for NHA)	Ref	
-1	916-902	. PLATE, Identification	1	
		ATTACHING PARTS		
-2	COML	. SCREW, Mach, bind hd, stl, ni. pl., 4-40 ..... by 1/4 in.	2	
		- - - * - - -		
-3	2BUS424NB	. BUTTON, Snap	2	
-4	874-404	. CONNECTOR, Receptacle, Elec.	1	
		ATTACHING PARTS		
-5	NUH15/16-27	. NUT	1	
		- - - * - - -		

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2-	706-402	. PRECISION DIAL & VERNIER ASSEMBLY	1	
2-	706-312	. . FRICTION DRIVE	1	
-6	ZKNS8G	. . . KNOB ASSEMBLY	1	
		ATTACHING PARTS		
-7	SCSE10-32-5/16	. . . SETSCREW	2	
		- - - * - - -		
-8	SPD958-5/32	. . . SPACER	1	
-9	706-65	. . . COLLAR, Friction	1	
-10	WAM85	. . . WASHER	2	
-11	706-60	. . . BUSHING, Eccentric	1	
		ATTACHING PARTS		
-12	NUH3/8-32	. . . NUT	1	
	1920-02	. . . WASHER, Lock, int. tooth (MFD by 78189-GR P/N WALT 3/8)	2	
	502-84	. . . WASHER	1	
		- - - * - - -		
-13	706-309	. . . SHAFT, Drive	1	
2-	706-311	. . DIAL ASSEMBLY	1	
-14	706-900	. . . DISC, Dress	1	
		ATTACHING PARTS		
-15	SCB3-48-3/16	. . . SCREW	2	
		- - - * - - -		
-16	706-70A	. . . COVER, Dial	1	
-17	916-51	. . . HUB, Dial	1	
		ATTACHING PARTS		
-18	SCSE10-32-1/8	. . . SETSCREW	4	
-19	SCB6-32-3/16	. . . SCREW	3	
		- - - * - - -		
-20	916-90	. . . DIAL	1	
-21	ZINO-51B	. . INDICATOR ASSY	1	
		ATTACHING PARTS		
-22	SCB6-32-1/4	. . SCREW	2	
	WALS6	. . WASHER	2	
	WAM584	. . WASHER	2	
		- - - * - - -		
-23	ZKNSP8G	. KNOB ASSEMBLY	1	
		ATTACHING PARTS		
-24	SCSE10-32-5/16	. SETSCREW	2	
		- - - * - - -		

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2-25	ZKNSP8GD3	. KNOB ASSEMBLY	1	
		ATTACHING PARTS		
-26	SCSE10-32-5/16	. SETSCREW	2	
		- - - * - - -		
-27	SCT3-2-3/8	. SCREW	1	
-28	WAI65	. WASHER	1	
-29	138RB	. STOP	1	
2-	916-323	. DIAL ASSEMBLY	1	
-30	ZKNSP8GD	. . KNOB ASSEMBLY	1	
		ATTACHING PARTS		
-31	SCSE10-32-5/16	. . SETSCREW	2	
		- - - * - - -		
-32	916-96	. . DIAL	1	
		ATTACHING PARTS		
-33	SCBT6-32-1/2	. . SCREW	2	
		- - - * - - -		
-34	SCT3-2-3/8	. . SCREW	1	
-35	WALS6	. . WASHER	1	
-36	WAI65	. . WASHER	1	
-37	138RB	. . STOP	1	
-38	ZINO-51B	. . INDICATOR ASSEMBLY	1	
		ATTACHING PARTS		
-39	SCB6-32-1/4	. . SCREW	2	
	WALS6	. . WASHER	2	
	WAM584	. . WASHER	2	
		- - - * - - -		
2-	902-301-2G	. FRICTION DRIVE ASSY	1	
-40	ZKNSP8G	. . KNOB ASSEMBLY	1	
		ATTACHING PARTS		
-41	SCSE10-32-5/16	. . SETSCREW	2	
		- - - * - - -		
-42	902-300-13/16	. . FRICTION DRIVE ASSY	1	
		ATTACHING PARTS		
-43	NUH10-32	. . NUT	1	
	WALS10	. . WASHER	1	
		- - - * - - -		
-44	902-63	. . SHAFT	1	
2-	916-321-2	. DIAL ASSEMBLY	1	
2-	904-303G	. . DIAL ASSEMBLY	1	
-45	ZKNSP8GD	. . . KNOB ASSEMBLY	1	

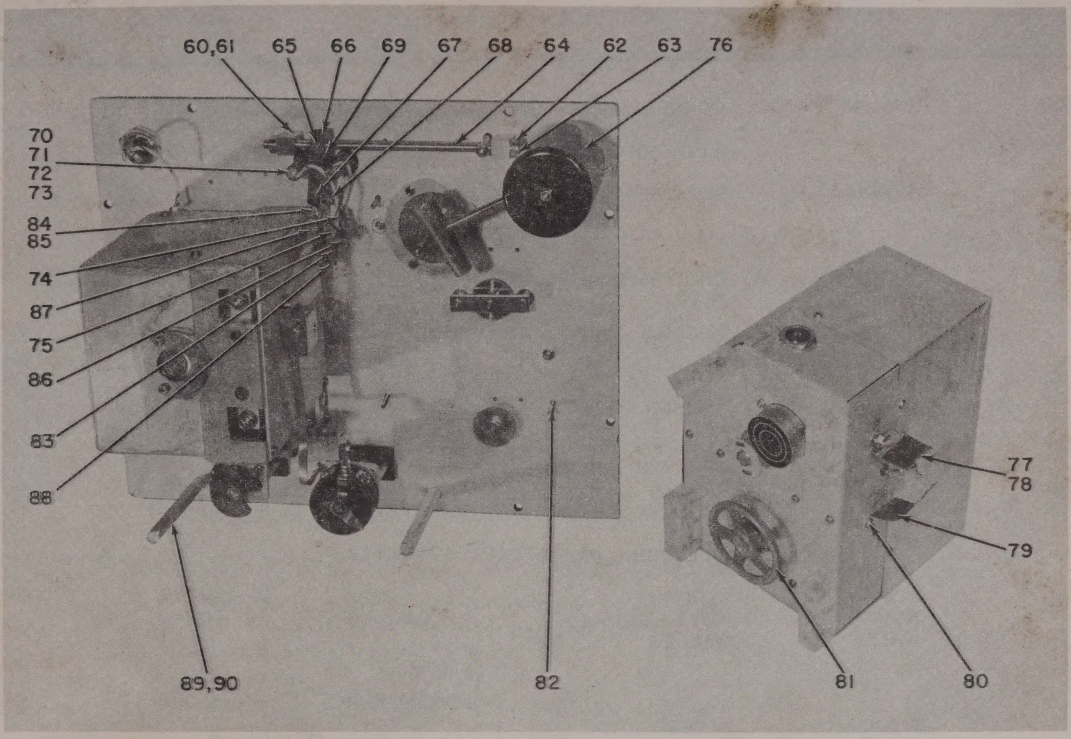

Figure 2. Panel Assembly - Front View (Sheet 2 of 3)

FIG. & INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		ATTACHING PARTS		
2-46	SCSE10-32-5/16	. . . SETSCREW	2	
		- - - * - - -		
-47	ZINO-51B	. . . INDICATOR ASSY	1	
		ATTACHING PARTS		
-48	SCB6-32-1/4	. . . SCREW	2	
	WALS6	. . . WASHER	2	
	WAM584	. . . WASHER	2	
		- - - * - - -		
-49	916-64	. CONNECTOR, Receptacle, elec.	1	
-50	916-73	. INSULATOR	1	
		ATTACHING PARTS		
-51	SCB6-32-5/8NG	. SCREW	3	
	1906-00	. WASHER, Lock, int. tooth (MFD by 78189-GR PART NO. WALT6)	3	
	NUH6-32	. NUT	3	
		- - - * - - -		

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2-52	874-408	. CONNECTOR, Receptacle, elec.	1	
		ATTACHING PARTS		
-53	SCSE10-32-1/8	. SETSCREW	1	
		- - - * - - -		
-54	KNU1323	. KNOB (MFD by 64959)	1	
-55	700-60	. SHAFT	1	
		ATTACHING PARTS		
-56	NUH8-32	. NUT	1	
	WALS1/4	. WASHER	1	
		- - - * - - -		
-57	SPU8	. SPACER	1	
-58	BP10-1/2	. TERMINAL, Stud	1	
		ATTACHING PARTS		
-59	STP6-32	. STUD	1	
	NUH6-32	. NUT	1	
	WALS6	. WASHER	1	
		- - - * - - -		
-60	916-809	. BLOCK	2	
2-	916-309	. SWITCH ARM ASSY	1	
		ATTACHING PARTS		
-61	SCC193C,1/2NB	. SCREW	2	
		- - - * - - -		
-62	3CO-122B	. . COLLAR	2	
		ATTACHING PARTS		
-63	SCSE10-32-1/8	. . SETSCREW	2	
		- - - * - - -		
-64	916-604	. . SHAFT	1	
		ATTACHING PARTS		
-65	SCSE10-32-1/4	. . SETSCREW	2	
		- - - * - - -		
-66	916-702	. . ARM, Switch	1	
-67	916-808	. . BLADE, Switch	1	
		ATTACHING PARTS		
-68	SCB6-32-3/8	. . SCREW	2	
	WALS6	. . WASHER	2	
		- - - * - - -		

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2-69	SPDM6-5/32	. SPACER	1	
-70	916-35	. CAPACITOR, Align-aire trimmer, 1.0 to 12 uuf	2	
		ATTACHING PARTS		
-71	SCB6-32-5/8NG	. SCREW	1	
	WALS6	. WASHER	1	
	NUH6-32	. NUT	1	
		- - - * - - -		
-72	2INF390	. INSERT	1	
-73	2106-06-00	. TERMINAL, Locking, short, No. 6 (MFD by 78189 - GR PART NO. TELS 6)	1	
-74	COM20E501SM	. CAPACITOR, Mica, 500 uuf, ±1%	1	
-75	NR20	. RESISTOR, Film, 750 ohms, ±5% 1/2 W (MFD by 71666-GR PART NO. REF1)	1	
-76	916P1S1	. TRANSFORMER ASSY, LF	1	
-77	916-324	. RESISTANCE UNIT ASSY	1	
		ATTACHING PARTS		
-78	SCR6-32-1/4	. SCREW	2	
	WALS6	. WASHER	2	
		- - - * - - -		
-79	916-822	. CONNECTOR	1	
		ATTACHING PARTS		
-80	SCR6-32-1/4	. SCREW	4	
	WALS6	. WASHER	4	
	NUH6-32	. NUT	2	
		- - - * - - -		
-81	916-307-2	. SHIELDED CONDENSER ASSY (See figure 3 for breakdown)	1	
		ATTACHING PARTS		
-82	SCB6-32-3/4NG	. SCREW	4	
		- - - * - - -		
2-	916-308	. TERMINAL BLOCK ASSY	1	
		ATTACHING PARTS		
-83	SCR10-32-1/2	. SCREW	2	
	WALS10	. WASHER	2	
		- - - * - - -		
-84	5C0S1P1	. . TERMINAL	3	

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		ATTACHING PARTS		
2-85	SCB6-32-5/16	. . SCREW	3	
	1906-00	. . WASHER, Lock, int. tooth (MFD by 78189 - GR PART NO. WALT6)	1	
		- - - * - - -		
-86	2120-06-00	. . TERMINAL, Locking 1 lg (MFD by 78189 - GR PART NO. TELL6)	2	
-87	TEP90	. . TERMINAL	1	
-88	916-701	. . BLOCK, Terminal	1	
-89	FER8-4	. FOOT, Rigid	2	
		ATTACHING PARTS		
-90	SCB10-32-1/2NG	. SCREW	2	
	WALS10	. WASHER	2	
		- - - * - - -		
-91	916-819	. PLATE, Bearing	1	
		ATTACHING PARTS		
-92	SCB6-32-1/4	. SCREW	2	
	WALS6	. WASHER	2	
	WAM998	. WASHER	2	
		- - - * - - -		
-93	SPFF6-32-1/2	. SPACER	2	
		ATTACHING PARTS		
-94	SCB6-32-1/2	. SCREW	2	
	WAM416	. WASHER	AR	
		- - - * - - -		
-95	916-825	. GEAR	1	
		ATTACHING PARTS		
-96	SCSE10-32-1/8	. SETSCREW	2	
		- - - * - - -		
-97	SHM1507-18	. SHAFT	1	
-98	502-60B	. BUSHING	1	
		ATTACHING PARTS		
-99	NUH3/8-32	. NUT	1	
	502-84	. WASHER	1	
		- - - * - - -		
-100	754-36	. GEAR ASSEMBLY	1	

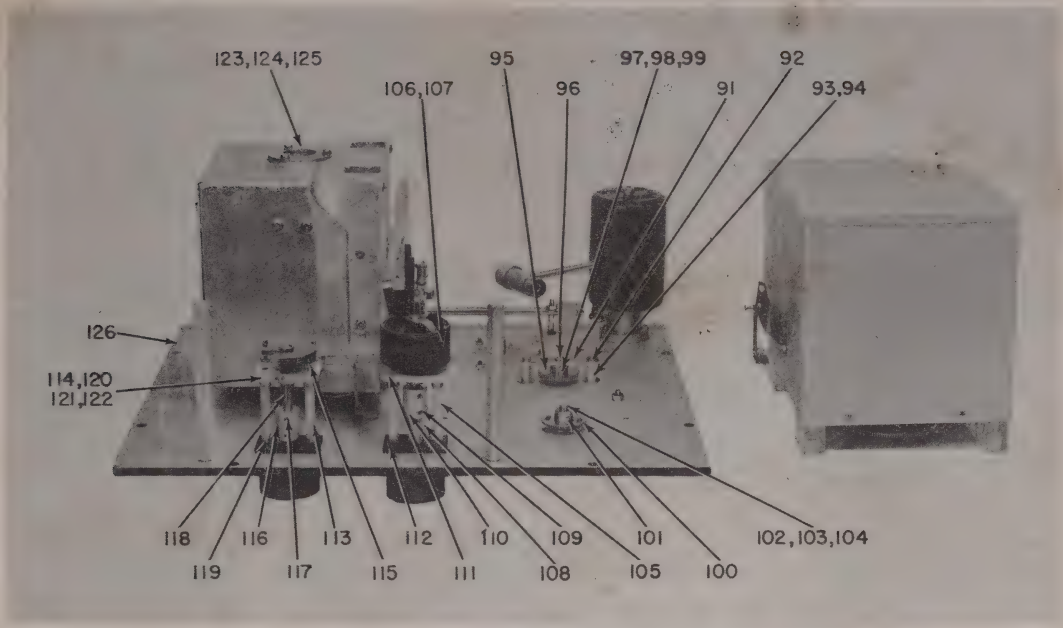

Figure 2. Panel Assembly - Front View (Sheet 3 of 3)

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		ATTACHING PARTS		
2-101	SCU28-1/8	. SETSCREW	2	
		- - - * - - -		
-102	SHM1507-18	. SHAFT	1	
-103	502-60B	. BUSHING	1	
		ATTACHING PARTS		
-104	NUH3/8-32	. NUT	1	
	502-84	. WASHER	1	
		- - - * - - -		
-105	SPDM6-1-1/2	. SPACER	2	
-106	410-414	. RESISTOR, Variable, 1000 ohms, ±10%	1	
		ATTACHING PARTS		
-107	SCB6-32-1/2NG	. SCREW	2	
		- - - * - - -		
-108	SHP17-2-1/4	. SHAFT	1	

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		ATTACHING PARTS		
2-109	SCSE8-32-1/8	. SETSCREW	4	
	NUH3/8-32	. NUT	2	
	1920-02	. WASHER, Lock, int. tooth (MFD by 78189 - GR PART NO. WALT3/8)	2	
		- - - * - - -		
-110	Z6C0R5	. COUPLING	1	
-111	368-38	. END PLATE ASSY	1	
-112	916-708	. SUPPORT	1	
-113	SPDM6-1-1/2	. SPACER	2	
-114	368-415	. CAPACITOR, Trimmer, 15uuf	1	
		ATTACHING PARTS		
-115	SCB6-32-1/4NG	. SCREW	2	
		- - - * - - -		
-116	SHP17-1-1/2	. SHAFT	1	
		ATTACHING PARTS		
-117	SCSE8-32-1/8	. SETSCREW	2	
		- - - * - - -		
-118	Z6C0R5	. COUPLING	1	
-119	916-708	. SUPPORT	1	
-120	139-93B	. TERMINAL	1	
-121	139-303-6	. TERMINAL	1	
		ATTACHING PARTS		
-122	368-63	. NUT	2	
		- - - * - - -		
-123	SPD958-1/4	. SPACER	3	
-124	916-30	. PRECISION CONDENSER ASSY	1	
		ATTACHING PARTS		
-125	SCF1/4-28	. SCREW	3	
	916-823	. WASHER	3	
	916-824	. WASHER	3	
	916-74	. WASHER	6	
		- - - * - - -		
-126	916-80-2	. PANEL	1	

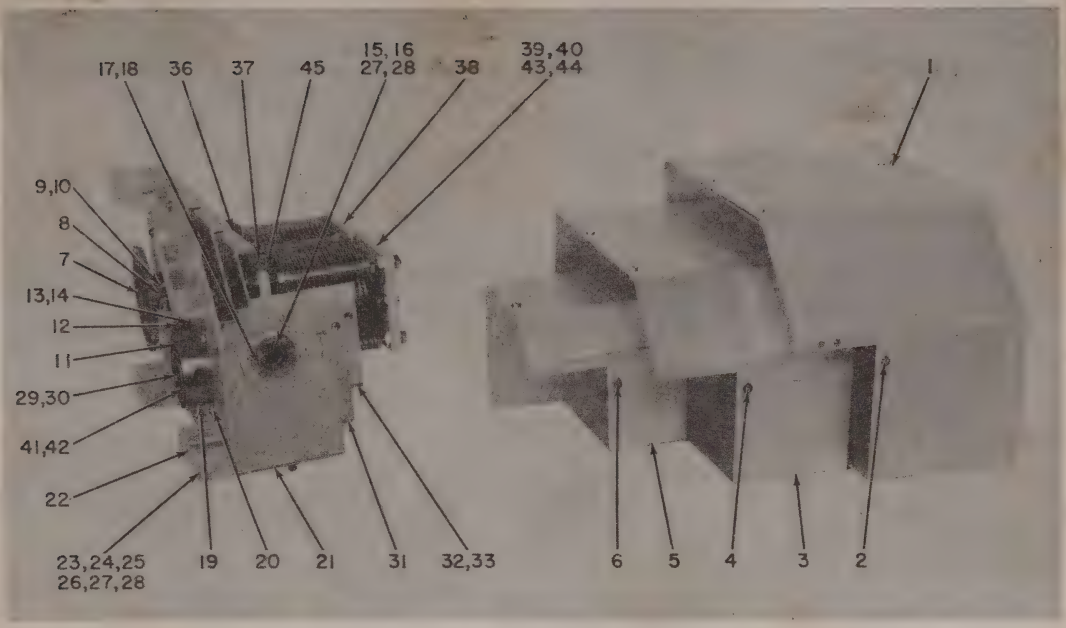

Figure 3. Shielded Condenser Assembly

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
3-	916-307-2	SHIELDED CONDENSER ASSY (See 8, Figure 2 for next higher assy)	Ref	
-1	916-32	. COVER ASSY, Outside	1	
		ATTACHING PARTS		
-2	SCB6-32-1/4	. SCREW	7	
	WALS6	. WASHER	7	
		- - - * - - -		
-3	916-33	. COVER ASSY, Middle	1	
		ATTACHING PARTS		
-4	SCB6-32-1/4	. SCREW	7	
	WALS6	. WASHER	7	
		- - - * - - -		
-5	916-34	. COVER ASSY, Inner	1	
		ATTACHING PARTS		
-6	SCB6-32-1/4	. SCREW	3	
	WALS6	. WASHER	3	
		- - - * - - -		

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
3-7	916-840	. GEAR	1	
		ATTACHING PARTS		
-8	SCSE10-32-1/8	. SETSCREW	2	
	WAI576B	. WASHER	2	
		- - - * - - -		
-9	961-61	. PLATE, Bearing	1	
		ATTACHING PARTS		
-10	SCB6-32-5/16	. SCREW	3	
	WALS6	. WASHER	3	
		- - - * - - -		
-11	916-327	. GEAR ASSEMBLY	1	
		ATTACHING PARTS		
-12	SCSE10-32-1/8	. SETSCREW	2	
-13	916-607	. BEARING	1	
		ATTACHING PARTS		
-14	SCB6-32-1/4	. SCREW	3	
	WALS6	. WASHER	3	
		- - - * - - -		
-15	274-380	. CONNECTOR, Receptacle, elec.	1	
		ATTACHING PARTS		
-16	NUH6-32	. NUT	1	
		- - - * - - -		
-17	916-62	. BUSHING	1	
		ATTACHING PARTS		
-18	NUH3/4-27	. NUT	1	
	1932-04	. WASHER, Lock, int. tooth (MFD by 78189, GR PART No. WALT3/4)	1	
		- - - * - - -		
-19	916-317	. TUBE ASSEMBLY	1	
		ATTACHING PARTS		
-20	NUH6-32	. NUT	3	
	WALS6	. WASHER	3	
	SCB6-32-1/4	. SCREW	3	
		- - - * - - -		
-21	916-81	. SHIELD, Outer	1	
		ATTACHING PARTS		
-22	SCB6-32-5/8	. SCREW	8	
	SCB6-32-3/8	. SCREW	8	
	WALS6	. WASHER	16	
		- - - * - - -		
3-	916-302	. INSULATOR ASSEMBLY	4	
-23	916-70	. . INSULATOR	1	
-24	916-60	. . INSERT	3	
3-	916-303	. INSULATOR ASSEMBLY	4	
-25	916-71	. . INSULATOR	1	
-26	916-60	. . INSERT	3	
-27	916-89	. HOUSING, Plug	1	

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		ATTACHING PARTS		
3-28	SCF6-32-3/8	. SCREW	1	
	SCB6-32-3/8	. SCREW	1	
	WALS6	. WASHER	2	
		- - - * - - -		
-29	916-318	. TUBE ASSEMBLY	1	
		ATTACHING PARTS		
-30	NUH6-32	. NUT	3	
	WALS6	. WASHER	3	
	SCB6-32-1/4	. SCREW	3	
		- - - * - - -		
-31	916-82	. SHIELD, Middle	1	
-32	916-83	. SHIELD, Inner	1	
		ATTACHING PARTS		
-33	SCB6-32-3/8	. SCREW	8	
	SCB6-32-1/4	. SCREW	2	
	WALS6	. WASHER	8	
		- - - * - - -		
3-	916-304	. INSULATOR ASSEMBLY	2	
-34	916-72	. . INSULATOR	1	
-35	916-60	. . INSERT	5	
-36	COM30ESM	. CAPACITOR, Mica, 1850 uuf ±2%	1	
-37	COM20E780SM	. CAPACITOR, Mica, 78 uuf, ±2uuf	1	
-38	568-408-2	. CAPACITOR, Variable, air-dielectric, 360 uuf	1	
-39	568-407-2	. CAPACITOR, Variable, air-dielectric 360 uuf	1	
		ATTACHING PARTS		
-40	SCB6-32-5/16	. SCREW	6	
	WALS6	. WASHER	6	
		- - - * - - -		
-41	916-319	. TUBE ASSEMBLY	1	
		ATTACHING PARTS		
-42	NUH-6-32	. NUT	3	
	WALS6	. WASHER	3	
	SCB6-32-1/4	. SCREW	3	
		- - - * - - -		
-43	916-603	. BUSHING	1	
-44	139-91	. TERMINAL	4	

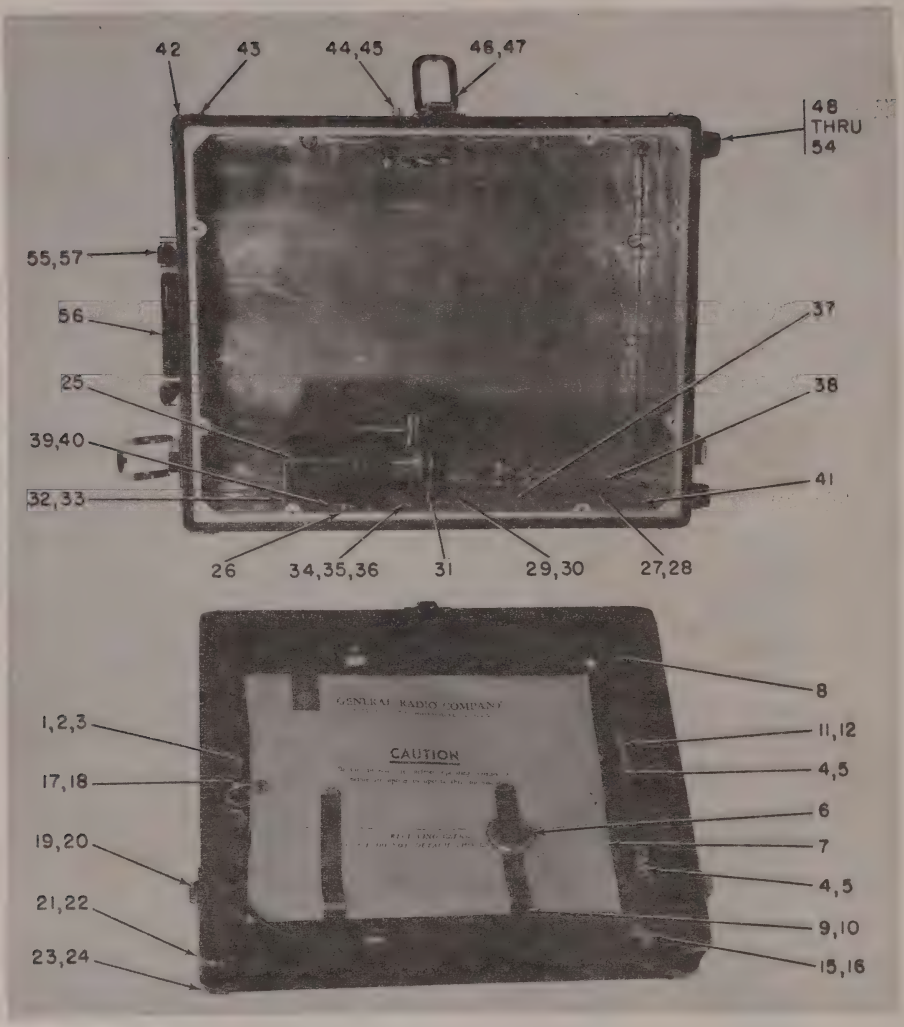

Figure 4. Carrying Case Assembly

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
4-	916-45-2	CARRYING CASE ASSEMBLY (See 3, Figure 1 for next higher assy)	Ref	
-1	916-902-2	. PLATE, Identification	1	
		ATTACHING PARTS		
-2	COML	. SCREW, Machine, bind hd, stl, ni pl. 4-40 x1/4 in.	2	
		- - - * - - -		
-3	874R22	. CABLE	2	
-4	916P3	. RESISTOR ASSEMBLY	1	
-5	916P4	. RESISTOR ASSEMBLY	1	
-6	FDS1478-3	. KEY, Dzus fastener screw	1	
-7	874-PB58	. CONNECTOR, Receptacle, elec.	1	
4-	916-313	. COVER LINER ASSEMBLY	1	
		ATTACHING PARTS		
-8	SCB6-32-7/8	. SCREW	4	
	96NM62	. NUT, Elastic stop, brs, (MFD by 72962 - GR PART NO. NUL442-6) ...	4	
		- - - * - - -		
-9	HDD1369	. . CLIP, Steel grip	2	
		ATTACHING PARTS		
-10	RIF1904-1/2	. . RIVET	4	
		- - - * - - -		
-11	MDC4-3/8	. . CLIP, Fuse	2	
		ATTACHING PARTS		
-12	RIF1904-1/2	. . RIVET	2	
	WAM104	. . WASHER	4	
		- - - * - - -		
-13	SPDM-6,1/2	. . SPACER	2	
		ATTACHING PARTS		
-14	SCWR6-3/4	. . SCREW	2	
		- - - * - - -		
-15	759-800	. . CLAMP, Cord	2	
		ATTACHING PARTS		
-16	RIF1904-1/2	. . RIVET	4	
	WAM104	. . WASHER	4	
		- - - * - - -		
-17	MDC-7,5/8	. . CLIP, Fuse	4	

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		ATTACHING PARTS		
-18	RIF1904-1/2	. . RIVET	4	
	WAM104	. . WASHER	4	
		- - - * - - -		
-19	04454	. CLASP, Upper, cr. pl. (MFD by 21192)	3	
		ATTACHING PARTS		
-20	No Number	. RIVET (Supplied with item 19)	6	
		- - - * - - -		
-21	09031	. CLAMP, Corner, upper, cr. pl. (MFD by 21192)	4	
		ATTACHING PARTS		
-22	No Number	. RIVET (Supplied with item 21)	8	
		- - - * - - -		
-23	6211	. GUARD, Corner, upper, cr. d (MFD by 78180)	4	
		ATTACHING PARTS		
-24	No Number	. RIVET (Supplied with item 23)	8	
		- - - * - - -		
-25	916P1	. TRANSFORMER ASSEMBLY, HF	1	
4-	916-332	. DOOR ASSEMBLY	1	
		ATTACHING PARTS		
-26	FDS1478-1	. SCREW, Dzus fastener	4	
		- - - * - - -		
-27	HAU1	. . TAB	1	
		ATTACHING PARTS		
-28	SC06-32-5/8NB	. . SCREW	2	
	96NM62	. . NUT, Elastic stop, brs. (MFD by 72962- GR PART NO. NUL442-6)	2	
		- - - * - - -		
-29	916-834	. . BRACKET	1	
		ATTACHING PARTS		
-30	SCB6-32-7/16NB	. . SCREW	3	
	WALS6	. . WASHER	5	
		- - - * - - -		
-31	916-734	. . BUSHING	1	
-32	916-821	. . BRACKET	1	

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		ATTACHING PARTS		
4-33	SCB6-32-3/8NB	. . SCREW	2	
	WALT-6	. . WASHER	2	
	1906-00	. . WASHER, Lock, int. tooth (MFD by 78189 - GR PART NO. WALT6)	2	
		- - - * - - -		
-34	274-380	. . CONNECTOR, Receptacle, elec	1	
-35	916-608	. . FIXTURE, Plug	1	
		ATTACHING PARTS		
-36	SC06-32-5/8NB	. . SCREW	1	
	96NM62	. . NUT, Elastic, stop, brs (MFD by 72962 - GR PART NO. NUL442-6)	1	
		- - - * - - -		
-37	916-838	. . DOOR	1	
4-	916-315	. CONTACT STRIP AND SPRING ASSY	1	
		ATTACHING PARTS		
-38	SCWR6-3/8	. SCREW	10	
	COML	. SCREW, Mach, phl truss, h, 6-32 x 3/8 in.	4	
	96NM62	. NUT, Elastic, stop, brs, (MFD by 72862 - GR PART NO. NUL442-6)	4	
		- - - * - - -		
-39	FDS1478-2	. . SPRING, Dzus	4	
		ATTACHING PARTS		
-40	RIT2280-5/32	. . RIVET	8	
		- - - * - - -		
-41	916-316	. . CONTRACT STRIP ASSY	1	
-42	09031	. CLAMP, Corner, lower, cr. pl (MFD by 21192).	4	
		ATTACHING PARTS		
-43	No Number	. RIVET	8	
		- - - * - - -		
-44	821-816	. STRAP, Ground	1	
		ATTACHING PARTS		
-45	SCU95B	. SCREW, Panel	2	
		- - - * - - -		
-46	04454	. CLASP, Lower, cr pl. (MFD by 21192)	3	
		ATTACHING PARTS		
-47	SCW05-3/8	. SCREW	6	
	No Number	. RIVET (Supplied with item 46)	3	
	No Number	. WASHER (Supplied with item 46)	3	
		- - - * - - -		

FIG. & INDEX NO.	PART NUMBER	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
4-48	740-60	. SPACER	4	
-49	FES156A	. FOOT, Rubber	4	
		ATTACHING PARTS		
-50	SCWR10-1	. SCREW	4	
		. NUT	4	
	96NM02	. NUT, Elastic stop, brs, (MFD by 72962 - GR PART NO. NUL442-10)	4	
		- - - * - - -		
-51	FES295	. FOOT, Rubber	4	
		ATTACHING PARTS		
-52	SCWR8-3/8	. SCREW	4	
	WALS10	. WASHER	4	
		- - - * - - -		
-53	6211	. GUARD, Corner, lower cr pl (MFD by 78180)	4	
		ATTACHING PARTS		
-54	No Number	. RIVET	6	
-55	HAL1379	. POST, Swing	2	
-56	HAL1380	. HANDLE	1	
		ATTACHING PARTS		
-57	NUH8-32	. NUT	2	
	WALS8	. WASHER	2	
		- - - * - - -		

SECTION III

NUMERICAL INDEX

PART NUMBER	STOCK NO. CLASS CODE	STOCK NO. SERIAL OR PART NO.	FIG. & INDEX NO.	QTY PER ARTICLE	SOURCE CODE
BP10-1/2			2-58	1	
C0M20E501SM			2-74	1	
C0M20E780SM			2-35	1	
C0M30ESM			2-34	1	
FDS1478-1			4-26	4	
FDS1478-2			4-39	4	
FDS1478-3			4-6	1	
FER8-4			2-89	2	
FES295			4-51	4	
HAL1379			4-55	2	
HAL1380			4-56	1	
HAU1			3-27	1	
HDD1379			4-9	2	
KNU1323			2-54	1	
MDC4-3/8			4-11	2	
MDC7-5/8			4-17	4	
NR20			2-75	1	
NUH10-32			2-43	1	
NUH15/16-27			2-5	1	
NUH3/4-27			3-18	1	
NUH3/8-32			2-12	5	
NUH6-32			2-51	16	
NUH8-32			2-56	5	
NUL442-10			(See 96MN02)		
NUL442-6			(See 96NB62)		
REF1			(See NR20)		
RIF1904-1/2			4-10	14	
RIT2280-5/32			3-40	8	
RIVET			4-20	9	
RIVET			4-22	16	
RIVET			4-24	14	
SCB10-32-1/2NG			2-90	2	
SCB3-48-3/16			2-15	2	
SCB6-32-1/2			2-94	2	
SCB6-32-1/4			2-22	48	
SCB6-32-1/4NG			2-115	2	
SCB6-32-3/16			2-19	3	
SCB6-32-3/16NG			2-82	4	
SCB6-32-3/4NG			2-65	2	
SCB6-32-3/8			2-68	17	
SCB6-32-3/8NB			4-33	2	
SCB6-32-5/16			2-85	12	
SCB6-32-5/8			3-8	8	
SCB6-32-5/8NG			2-51	4	
SCB6-32-7/16			4-30	3	
SCB6-32-7/8			4-8	4	
SCBT6-32-1/4			2-33	2	
SCC193C			2-61	2	
SCF1/4-28			2-125	3	
SCF6-32-3/8			2-26	1	
SC05-3/8			4-47	6	
SC06-32-5/8NB			4-28	3	
SCR10-32-1/2			2-83	2	
SCR6-32-1/4			2-78	6	
SCREW			2-2	4	
SCREW			3-38	4	
SCSE10-32-1/4			2-65	2	
SCSE10-32-18			2-18	17	

PART NUMBER	STOCK NO. CLASS CODE	STOCK NO. SERIAL OR PART NO.	FIG. & INDEX NO.	QTY PER ARTICLE	SOURCE CODE
SCSE10-32-5/16			2-7	12	
SCSE8-32-1/8			2-116	2	
SCT3-2-3/8			2-27	2	
SCU28-1/8			2-101	2	
SCU95B			1-2	4	
SCWR10-1			4-50	4	
SCWR3/4			4-14	2	
SCWR3/8			4-38	10	
SHM1507-18			2-97	3	
SHP17-1-1/2			2-116	1	
SHP17-2			2-108	1	
SPDM6-1-1/2			2-105	4	
SPDM6-5/32			2-69	1	
SPD477-1/2			4-13	2	
SPD958-1/4			2-123	3	
SPD958-5/32			2-8	1	
SPFF6-32-1/2			2-93	2	
SPU8			2-57	1	
STP6-32			2-59	1	
TELL6			(See 2120-06-00)		
TELS6			(See 2106-06-00)		
TEP90			2-87	1	
WAI576B			3-8	2	
WAI65			2-28	2	
WALS10			2-43	9	
WALS6			2-22	80	
WALS8			4-56	4	
WALT318			(See 1920-02)		
WALT6			(See 1906-00)		
WAM104			4-12	12	
WAM416			2-94	AR	
WAM584			2-22	4	
WAM85			2-10	2	
WAM998			2-92	2	
WASHER			4-47	3	
ZINO61B			2-21	3	
ZKNSP8G			2-23	1	
ZKNSP8GD			2-45	1	
ZKNSP8GD3			2-25	1	
ZKNS8G			2-6	2	
			2-40		
ZKNS8GD			2-30	1	
Z6C0R5			2-110	3	
04454			4-19	6	
09031			4-21	8	
138RB	5950	594-4174	2-29	2	
139-303-6			2-121	1	
139-91			3-44	4	
139-93B			2-120	1	
1906-00			2-51	5	
1920-02			2-12	4	
1932-04			3-18	1	
2BUS424NB			2-3	2	
2INF390			2-72	1	
2120-06-00			2-73	3	
274-380	5935	323-0536	3-15	2	
			4-34		
368-38			2-111	1	
368-415			2-114	1	
368-63			2-122	2	
410-414			2-106	1	
5C0S1P1	5930	581-4499	2-84	3	
502-60B			2-98	2	

PART NUMBER	STOCK NO. CLASS CODE	STOCK NO. SERIAL OR PART NO.	FIG. & INDEX NO.	QTY PER ARTICLE	SOURCE CODE
502-84			2-12	3	
			2-99		
			2-104		
568-407-2			3-39	1	
568-408-2			3-38	1	
6211			4-23	8	
			4-53		
700-60			2-55	1	
706-309			2-13	1	
706-311			2-	1	
706-312			2-	1	
706-402			2-	1	
706-60			2-11	1	
706-65			2-9	1	
706-70A			2-16	1	
706-900			2-14	1	
740-60			4-48	4	
754-36			2-100	1	
759-800			4-15	2	
821-816			2-42	1	
784PB58			4-7	1	
874R22			4-3	2	
874-404			2-4	1	
874-408			2-52	1	
902-300-3/16			2-42	1	
902-301-2G			2-	1	
902-63			2-44	1	
904-303G			2-	1	
916AL	6625	649-3054	1-	1	
916P1			4-25	1	
			2-24	1	
916P1S1			2-76	1	
916P3			4-4	1	
916P4	6625	312-7029	4-5	1	
916-27-2			2-62	2	
916-3-			2-124	1	
916-302			3-	4	
916-303			3-	4	
916-304			3-	2	
916-306-2			1-2	1	
			2-		
916-307-2			2-81	1	
			3-		
916-308			2-	1	
916-309			2-	1	
916-313			4-	1	
916-315			4-	1	
916-317			3-19	1	
916-318			3-29	1	
916-319			3-41	1	
916-32			3-1	1	
916-321-2			3-	1	
916-323			2-	1	
916-324			2-77	1	
916-327			3-11	1	
916-332			4-	1	
916-33			3-3	1	
916-34			3-5	1	
916-35			2-7	2	
916-45-2			1-3	1	
			4-		
916-51			2-17	1	
916-60			3-24	34	

PART NUMBER	STOCK NO. CLASS CODE	STOCK NO. SERIAL OR PART NO.	FIG. & INDEX NO.	QTY PER ARTICLE	SOURCE CODE
			3-26		
			3-35		
916-6-3			3-43	1	
916-604			3-66	1	
916-607			2-11	1	
916-608			4-35	1	
916-61			3-9	1	
916-62			3-17	1	
916-64	5935	258-8130	2-49	1	
916-70			3-23	4	
916-701			2-90	1	
916-702			2-66	1	
916-708			2-112	1	
916-71			3-25	4	
916-72			3-34	2	
916-73	5330	309-0607	2-50	1	
916-734			4-29	1	
916-74			2-125	6	
916-80-2			2-126	1	
916-808			2-67	1	
916-809			2-60	2	
916-81			3-21	1	
916-819			2-91	1	
916-82			3-32	1	
916-821			4-32	1	
916-822			2-79	1	
916-823			2-125	3	
916-824			2-125	3	
916-825			2-95	1	
916-83			3-32	1	
916-834			4-29	1	
916-838			4-37	1	
916-840			3-7	1	
916-89			3-27	1	
916-90			2-20	1	
916-902			2-1	2	
			4-1		
916-96			2-32	1	
96NM02			4-50	4	
96NM62			4-8	11	

SECTION IV

REFERENCE DESIGNATION INDEX

REFERENCE DESIGNATION	FIG. & INDEX NO.	CLASS CODE OR STOCK NO.	PART NUMBER
C1	2-124		916-30
C2	2-114		368-415
C3	3-39		568-407-2
C4	3-38		568-408-2
C5	2-170		916-35
C6	2-170		916-35
C7	2-174		C0M20E5015M
C8	2-135		C0M20E780SM
C9	3-36		C0M30ESM
C101	3-26		916P1
	2-76		916P1S1
J1	2-52		874-408
J2	2-4		874-404
J3	2-49		916-64
R1	2-75		NR20
R2	2-106		410-414
R3	2-77		916-324
R101	4-4		916P3
	4-5		916P4
S1	2-		916-309
T1	2-76		916P1S1
T2	4-25		916P1

217TH Electronics Installation Sq.